Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/01/2018 10:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125889	0	1.42	125801	1.36
Blue	F	SSC	125000	123571	-2	2.73	124021	2.55
Blue	E	FITC	23615	22878	-4	2.56	1016	10.56
Blue	D	PE	26739	26311	-2	2.05	946	10.08
Blue	B	PerCP-Cy5-5	48339	47706	-2	3.36	1374	17.65
Blue	A	PE-Cy7	45021	45311	0	5.19	704	37.56
Red	C	APC	53064	52165	-2	2.77	3005	9.58
Red	A	APC-Cy7	57175	56503	-2	2.71	1173	11.61
Violet	B	V450	14728	14097	-5	5.33	676	9.73
Violet	A	V500	58621	57072	-3	5.24	2517	7.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20000	2.29	612	-2	N/A	N/A	Pass
Blue	F	SSC	61388	1.60	556	10	N/A	N/A	Pass
Blue	E	FITC	115	39.65	549	1	0.0196	160	Pass
Blue	D	PE	207	29.65	539	3	0.1502	235	Pass
Blue	B	PerCP-Cy5-5	215	46.96	639	4	0.0091	96	Pass
Blue	A	PE-Cy7	75	124.64	698	5	0.0105	11	Pass
Red	C	APC	343	29.15	601	4	0.0199	116	Pass
Red	A	APC-Cy7	127	41.78	585	5	0.0050	1484	Pass
Violet	B	V450	82	44.13	461	-9	0.0483	2354	Pass
Violet	A	V500	185	25.24	488	-9	0.0161	1373	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.78	-31.43	0.99
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.34
Red	17.41	14.40 - 21.60	N/A	N/A	31.25	31.62	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10811

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments